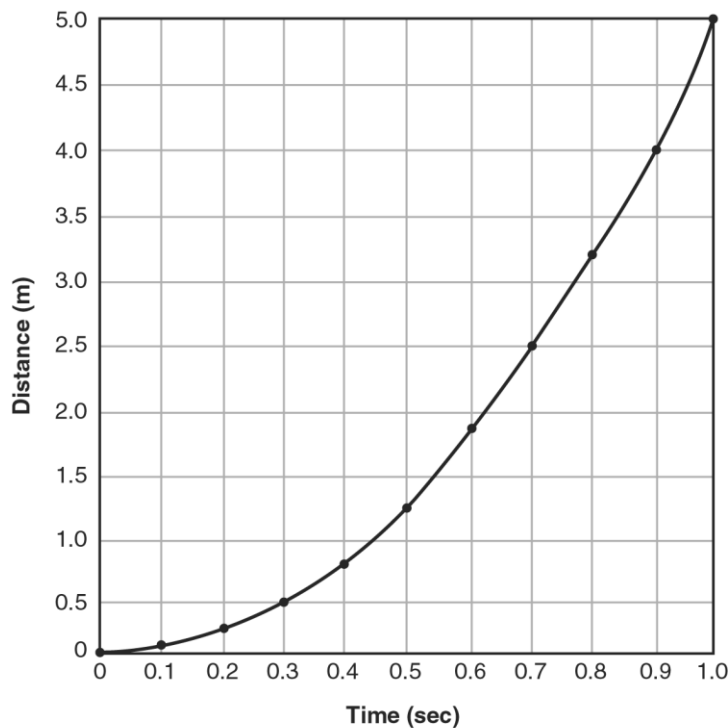


Velocity and Acceleration

Enrichment Activity

The following graph shows the motion of a tennis ball dropped from the window of an apartment building. Refer to the graph as you answer the questions.



1. What two variables are shown on the graph? _____
2. How far does the ball fall in the first 0.2 second? _____
3. How far does the ball fall during the next 0.2 second interval? _____
4. How far does the ball fall during the third 0.2 second interval? _____
5. Describe the way that distance is changing in relation to time. _____

6. What is happening to the ball's velocity? _____
7. What is this change in velocity called? _____
8. What force is causing the change in velocity to occur? _____